

PART II	DEPARTMENT OF HUMAN RESOURCES DEVELOPMENT	7.570
	STATE OF HAWAII	7.571
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	Minimum Qualification Specifications	7.574
	for the Classes:	7.575

LAND BOUNDARY SURVEYOR I, II, III, IV, V, & VI

**Basic Education/Experience Requirements:**

Graduation from an accredited four (4) year college or university with a bachelor's degree in Surveying, Geodesy, or Engineering with at least three (3) semester credits in surveying.

Excess work experience as described below in the experience requirements section, or any other progressively responsible administrative, professional, or other analytical work experience which provided knowledge, abilities and skills comparable to those normally acquired while completing a college curriculum described above in the education requirement section may be substituted for education on a year-for-year basis.

The education or experience background must demonstrate the possession of knowledge of: surveying principles, techniques, practices and terminology; mathematics through trigonometry as applied to surveying, including the computation of traverses, curves and areas and the use of logarithmic, trigonometric and curve data tables; and the proper use and methods of adjusting common survey instruments such as engineering transits, theodolites and levels; and the proper use of common drafting and computing tools and equipment; and ability to: understand and follow written and oral instructions; operate theodolite, transits, levels and other survey instruments; do simple research on land boundary matters; prepare sketches, maps and reports; reduce field notes; and do lettering and drafting as required for survey work.

**Experience Requirements:**

Except for the substitutions provided for below, applicants must have had progressively responsible experience of the kind and length shown in the table below and of the nature described in the paragraphs following, or any equivalent combination of training and experience:

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Class Title	Land Boundary Surveying Exper (yrs)	Supvry Exper (yrs)	Total Exper (yrs)
Land Boundary Surveyor I	0	0	0
Land Boundary Surveyor II	1*	0	1
Land Boundary Surveyor III	2*	0	2
Land Boundary Surveyor IV	3*	**	3
Land Boundary Surveyor V	3	1	4***
Land Boundary Surveyor VI	3	2	5***

Land Boundary Surveying Experience: Land Boundary surveying experience which demonstrated the application of knowledge of: land surveying principles, techniques, practices and terminology; sources of land boundary information; mathematics through trigonometry as applied to surveying and the use of trigonometric and curve data tables; the proper use and methods of adjusting survey instruments such as transits, theodolites and levels; proper use of common drafting and computing tools and equipment; and ability to: do research on land boundary matters; operate precise survey instruments and work to close tolerances; and supervise and deal effectively with others.

\*For the Land Boundary Surveyor II, III and IV levels, one-half (1/2) year, and one and one-half (1-1/2) years and two and one-half (2-1/2) years of Land Boundary Surveying experience, respectively, must have included the application of knowledge of Hawaii land laws, Land Court rules, decisions and procedures, and Hawaii's land tenure history.

Supervisory Experience: Professional land boundary surveying experience which included training subordinates, coordinating and assigning workloads, evaluating performance, assisting in difficult and problem areas and maintaining high standards of work and timely accomplishment of work objectives.

\*\*For the Land Boundary Surveyor IV level, supervisory aptitude rather than actual supervisory experience may be accepted. Supervisory aptitude will be considered to have been met when there is strong evidence of the necessary supervisory abilities as demonstrated by outstanding performance of special assignments of understudy supervisory activities, enrollment in self-development programs such as further education or training in supervision, or affirmative appraisals by supervisors as to leadership qualities.

\*\*\*For the Land Boundary Surveyor V and VI levels, two and one-half (2-1/2) years of the total number of years of experience must have included the application of knowledge of Hawaii land

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laws, Land Court rules, decisions and procedures, and Hawaii's land tenure history.

**Substitutions Allowed:**

1. Successful completion of a course of study in Engineering Technology at an accredited community college which included at least one (1) course in surveying and in addition, two (2) years of surveying experience which included the use of the theodolite and level, may be substituted for the bachelor's degree requirement.
2. Satisfactory completion of all academic requirements for a master's degree in Surveying, Geodesy or Civil Engineering from an accredited university may be substituted for six (6) months of Land Boundary Surveying Experience.
3. Excess supervisory experience of the type and quality described above may be substituted for Land Boundary Surveying Experience on a year-for-year basis.

**Quality of Experience:**

Possession of the required number of years of experience will not in itself be accepted as proof of qualification for a position. The applicant's overall experience must have been of such scope and level of responsibility as to conclusively demonstrate that he/she has the ability to perform the duties of the position for which he/she is being considered.

**License Required:**

Professional License Requirement: For the Land Boundary Surveyor IV and higher levels, applicants must possess a Hawaii State certificate of registration as a Land Surveyor. For the Land Boundary Surveyor V and VI levels, applicants must also possess a certificate of registration to practice surveying in the Land Court of the State of Hawaii.

Driver's License: For certain positions, applicants may be required to have a valid license to operate a motor vehicle in the State of Hawaii.

**Selective Certification:**

Specialized knowledge, skills and abilities may be required to perform the duties of some positions. In such positions, certification may be restricted to eligibles who possess the pertinent experience and/or training required to perform the duties of the position.

Agencies requesting selective certification must show the connection between the kind of training and/or experience on which they wish to base selective certification and the duties of the position to be filled.

**Tests:**

Applicants may be required to qualify on an appropriate examination.

**Physical and Medical Requirements:**

Applicants must be physically able to perform, efficiently and effectively, the essential duties of the position which typically require the ability to read without strain printed material the size of typewritten characters, glasses permitted, and the ability to hear the conversational voice, with or without a hearing aid, or the ability to compensate satisfactorily. Disabilities in these or other areas will not automatically result in disqualification. Those applicants who demonstrate that they are capable of performing the essential functions of the position will not be disqualified under this section.

Any condition which would cause applicants to be a hazard to themselves or others is cause for disqualification.

Any disqualification under this section will be made only after a review of all pertinent information including the results of the medical examination, and requires the approval of the Director.

**Mental/Emotional Requirements:**

All applicants must possess emotional and mental stability appropriate to the job duties and responsibilities and working conditions.

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This is an amendment to the minimum qualification specification for the classes LAND BOUNDARY SURVEYOR I, II, III, IV, V and VI which was approved on April 13, 1994.

DATE APPROVED: 5/12/03

/S/ Dawn M. Young  
KATHLEEN N. A. WATANABE  
Director of Human Resources Development